

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/594,695
Source: IFWP
Date Processed by STIC: 10/10/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:56

Input Set : A:\Sequence Listing (diskette).txt

Output Set: N:\CRF4\10102006\J594695.raw

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3 <110> APPLICANT: AKIYAMA, Tooru
4     ISHIDAO, Takefumi
5     AIBA, Tomoo
7 <120> TITLE OF INVENTION: sFRP expression enhancing agent
9 <130> FILE REFERENCE: 3190-101
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/594,695
12 <141> CURRENT FILING DATE: 2006-09-28
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2005/006163
15 <151> PRIOR FILING DATE: 2005-03-30
17 <150> PRIOR APPLICATION NUMBER: JP P2004-106315
18 <151> PRIOR FILING DATE: 2004-03-31
20 <160> NUMBER OF SEQ ID NOS: 10
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 2980
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <223> OTHER INFORMATION: human Dlg(discs large) gene
34 <400> SEQUENCE: 1
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39 agttcggaac tgcgggacgc cggtgggcta gggcaagggtg tgtgccctct tcctgattct      180
41 ggagaaaaat gccggtccgg aagcaagata cccagagagc attgcacctt ttggaggaat      240
43 atcgttcaaa actaagccaa actgaagaca gacagctcag aagttccata gaacgggtta      300
45 ttaacatatt tcagagcaac ctctttcagg ctttaataga tattcaagaa ttttatgaag      360
47 tgaccttact ggataatcca aaatgtatag atcgttcaaa gccgtctgaa ccaattcaac      420
49 ctgtgaatac ttgggagatt tccagccttc caagctctac tgtgacttca gagacactgc      480
51 caagcagcct tagccctagt gtagagaaat acagggtatca ggatgaagat acacctcctc      540
53 aagagcatat ttccccacaa atcacaaatg aagtgatagg tccagaattg gttcatgtct      600
55 cagagaagaa cttatcagag attgagaatg tccatggatt tgtttctcat tctcatattt      660
57 caccaataaa gccaacagaa gctgttcttc cctctcctcc cactgtccct gtgatccctg      720
59 tcctgccagt ccctgctgag aatactgtca tcctaccacag cataccacag gcaaatcctc      780
61 cccagtgact ggtcaacaca gatagcttgg aaacaccaac ttacgttaat ggcacagatg      840
63 cagattatga atatgaagaa atcacacttg aaaggggaaa ttcagggtct ggtttcagca      900
65 ttgcaggagg tacggacaac ccacacattg gagatgactc aagtattttc attacaaaaa      960
67 ttatcacagg gggagcagcc gcccaagatg gaagattgcy ggtcaatgac tgtatattac     1020
69 aagtaaatga agtagatgtt cgtgatgtaa cacatagcaa agcagttgaa gcgttgaaaag     1080
71 aagcagggtc tattgtacgc ttgtatgtaa aaagaaggaa accagtgtca gaaaaaataa     1140
73 tggaaataaa gtcattaaa ggtcctaaaag gtcttgggtt tagcattgct ggaggtgttg     1200
75 gaaatcagca tattcctggg gataatagca tctatgtaac caaaataatt gaaggagggtg     1260
77 cagcacataa ggatggcaaa cttcagattg gagataaact tttagcagtg aataacgtat     1320

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83 atatcaccaa ctcttcttct cagcctgttg ataaccatgt tagcccatct tccttcttgg 1500
85 gccagacacc agcatctcca gccagatact cccagtttc taaagcagta cttggagatg 1560
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89 tcaacattgt aggaggagaa gatggagaag gaatatttat ttcttttatc ttagccggag 1680
91 gacctgctga tctaagtgga gagctcagaa aggagatcg tattatatcg gtaaacagtg 1740
93 ttgacctcag agctgctagt catgagcagg cagcagctgc attgaaaaat gctggccagg 1800
95 ctgtcacaaat tgttcacaa tatcgacctg aagaatacag tcgttttgaa gctaaaatac 1860
97 atgatttacg ggagcagatg atgaatagta gtattagttc agggtcaggt tctcttcgaa 1920
99 ctagccagaa gcgatccctc tatgtcagag ccctttttga ttatgacaag actaaagaca 1980
101 gtgggcttcc cagtcagggg ctgaacttca aatttgagga tatcctccat gttattaatg 2040
103 cttctgatga tgaatggtg caagccaggc aggttacacc agatggtgag agcgatgagg 2100
105 tcggagtgat tcccagtaaa cgcagagttg agaagaaaga acgagcccga ttaaaaaacag 2160
107 tgaaattcaa ttctaaaacg agagataaag gggagatccc tgacgacatg ggatcaaaaag 2220
109 gcctgaagca tgtaacttct aatgccagcg atagtgaag tagttaccgt ggtcaagaag 2280
111 aatacgtctt atcttatgaa ccagtgaatc aacaagaagt taattatact cgaccagtga 2340
113 tcatattggg acctatgaaa gacaggataa atgatgactt gatctcagaa tttcctgaca 2400
115 aatttggatc ctgtgttcct catacaacta gacaaaaacg agattatgag gtagatggaa 2460
117 gagattatca ttttgtgact tcaagagagc agatggaaaa agatatccag gaacataaat 2520
119 tcattgaagc tggccagtat aacaatcatc tatatggaac aagtgttcag tctgtacgag 2580
121 aagtagcagg aaagggcaaa cactgtatcc ttgatgtgtc tggaaatgcc ataaagagat 2640
123 tacagattgc acagctttac cctatctcca tttttattaa acccaaatcc atggaaaata 2700
125 tcatggaaat gaataagcgt ctaacagaag aacaagccag aaaaacattt gagagagcca 2760
127 tgaaactgga acaggagttt actgaacatt tcacagctat tgtacagggg gatacgctgg 2820
129 aagacattta caaccaagtg aaacagatca tagaagaaca atctggttct tacatctggg 2880
131 ttccggcaaa agaaaagcta tgaaaactca tgtttctctg tttctctttt ccacaattcc 2940
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136 <210> SEQ ID NO: 2

137 <211> LENGTH: 904

138 <212> TYPE: PRT

139 <213> ORGANISM: Homo sapiens

141 <220> FEATURE:

142 <221> NAME/KEY: misc_feature

143 <223> OTHER INFORMATION: human Dlg(discs large)

146 <400> SEQUENCE: 2

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149 1          5          10          15
152 Glu Tyr Arg Ser Lys Leu Ser Gln Thr Glu Asp Arg Gln Leu Arg Ser
153          20          25          30
156 Ser Ile Glu Arg Val Ile Asn Ile Phe Gln Ser Asn Leu Phe Gln Ala
157          35          40          45
160 Leu Ile Asp Ile Gln Glu Phe Tyr Glu Val Thr Leu Leu Asp Asn Pro
161          50          55          60
164 Lys Cys Ile Asp Arg Ser Lys Pro Ser Glu Pro Ile Gln Pro Val Asn
165 65          70          75          80
168 Thr Trp Glu Ile Ser Ser Leu Pro Ser Ser Thr Val Thr Ser Glu Thr
169          85          90          95
172 Leu Pro Ser Ser Leu Ser Pro Ser Val Glu Lys Tyr Arg Tyr Gln Asp

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Input Set : A:\Sequence Listing (diskette).txt

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173          100          105          110
176 Glu Asp Thr Pro Pro Gln Glu His Ile Ser Pro Gln Ile Thr Asn Glu
177          115          120          125
180 Val Ile Gly Pro Glu Leu Val His Val Ser Glu Lys Asn Leu Ser Glu
181          130          135          140
184 Ile Glu Asn Val His Gly Phe Val Ser His Ser His Ile Ser Pro Ile
185 145          150          155          160
188 Lys Pro Thr Glu Ala Val Leu Pro Ser Pro Pro Thr Val Pro Val Ile
189          165          170          175
192 Pro Val Leu Pro Val Pro Ala Glu Asn Thr Val Ile Leu Pro Thr Ile
193          180          185          190
196 Pro Gln Ala Asn Pro Pro Pro Val Leu Val Asn Thr Asp Ser Leu Glu
197          195          200          205
200 Thr Pro Thr Tyr Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu
201          210          215          220
204 Ile Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly
205 225          230          235          240
208 Gly Thr Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr
209          245          250          255
212 Lys Ile Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val
213          260          265          270
216 Asn Asp Cys Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr
217          275          280          285
220 His Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg
221          290          295          300
224 Leu Tyr Val Lys Arg Arg Lys Pro Val Ser Glu Lys Ile Met Glu Ile
225 305          310          315          320
228 Lys Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly
229          325          330          335
232 Val Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys
233          340          345          350
236 Ile Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly
237          355          360          365
240 Asp Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His
241          370          375          380
244 Glu Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr Leu
245 385          390          395          400
248 Lys Val Ala Lys Pro Thr Ser Met Tyr Met Asn Asp Gly Tyr Ala Pro
249          405          410          415
252 Pro Asp Ile Thr Asn Ser Ser Ser Gln Pro Val Asp Asn His Val Ser
253          420          425          430
256 Pro Ser Ser Phe Leu Gly Gln Thr Pro Ala Ser Pro Ala Arg Tyr Ser
257          435          440          445
260 Pro Val Ser Lys Ala Val Leu Gly Asp Asp Glu Ile Thr Arg Glu Pro
261          450          455          460
264 Arg Lys Val Val Leu His Arg Gly Ser Thr Gly Leu Gly Phe Asn Ile
265 465          470          475          480
268 Val Gly Gly Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu Ala
269          485          490          495

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RAW SEQUENCE LISTING

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TIME: 15:06:56

Input Set : A:\Sequence Listing (diskette).txt

Output Set: N:\CRF4\10102006\J594695.raw

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272 Gly Gly Pro Ala Asp Leu Ser Gly Glu Leu Arg Lys Gly Asp Arg Ile
273          500          505          510
276 Ile Ser Val Asn Ser Val Asp Leu Arg Ala Ala Ser His Glu Gln Ala
277          515          520          525
280 Ala Ala Ala Leu Lys Asn Ala Gly Gln Ala Val Thr Ile Val Ala Gln
281          530          535          540
284 Tyr Arg Pro Glu Glu Tyr Ser Arg Phe Glu Ala Lys Ile His Asp Leu
285 545          550          555          560
288 Arg Glu Gln Met Met Asn Ser Ser Ile Ser Ser Gly Ser Gly Ser Leu
289          565          570          575
292 Arg Thr Ser Gln Lys Arg Ser Leu Tyr Val Arg Ala Leu Phe Asp Tyr
293          580          585          590
296 Asp Lys Thr Lys Asp Ser Gly Leu Pro Ser Gln Gly Leu Asn Phe Lys
297          595          600          605
300 Phe Gly Asp Ile Leu His Val Ile Asn Ala Ser Asp Asp Glu Trp Trp
301          610          615          620
304 Gln Ala Arg Gln Val Thr Pro Asp Gly Glu Ser Asp Glu Val Gly Val
305 625          630          635          640
308 Ile Pro Ser Lys Arg Arg Val Glu Lys Lys Glu Arg Ala Arg Leu Lys
309          645          650          655
312 Thr Val Lys Phe Asn Ser Lys Thr Arg Asp Lys Gly Glu Ile Pro Asp
313          660          665          670
316 Asp Met Gly Ser Lys Gly Leu Lys His Val Thr Ser Asn Ala Ser Asp
317          675          680          685
320 Ser Glu Ser Ser Tyr Arg Gly Gln Glu Glu Tyr Val Leu Ser Tyr Glu
321          690          695          700
324 Pro Val Asn Gln Gln Glu Val Asn Tyr Thr Arg Pro Val Ile Ile Leu
325 705          710          715          720
328 Gly Pro Met Lys Asp Arg Ile Asn Asp Asp Leu Ile Ser Glu Phe Pro
329          725          730          735
332 Asp Lys Phe Gly Ser Cys Val Pro His Thr Thr Arg Pro Lys Arg Asp
333          740          745          750
336 Tyr Glu Val Asp Gly Arg Asp Tyr His Phe Val Thr Ser Arg Glu Gln
337          755          760          765
340 Met Glu Lys Asp Ile Gln Glu His Lys Phe Ile Glu Ala Gly Gln Tyr
341          770          775          780
344 Asn Asn His Leu Tyr Gly Thr Ser Val Gln Ser Val Arg Glu Val Ala
345 785          790          795          800
348 Gly Lys Gly Lys His Cys Ile Leu Asp Val Ser Gly Asn Ala Ile Lys
349          805          810          815
352 Arg Leu Gln Ile Ala Gln Leu Tyr Pro Ile Ser Ile Phe Ile Lys Pro
353          820          825          830
356 Lys Ser Met Glu Asn Ile Met Glu Met Asn Lys Arg Leu Thr Glu Glu
357          835          840          845
360 Gln Ala Arg Lys Thr Phe Glu Arg Ala Met Lys Leu Glu Gln Glu Phe
361          850          855          860
364 Thr Glu His Phe Thr Ala Ile Val Gln Gly Asp Thr Leu Glu Asp Ile
365 865          870          875          880
368 Tyr Asn Gln Val Lys Gln Ile Ile Glu Glu Gln Ser Gly Ser Tyr Ile

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RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:57

Input Set : A:\Sequence Listing (diskette).txt

Output Set: N:\CRF4\10102006\J594695.raw

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377 <211> LENGTH: 3150
378 <212> TYPE: DNA
379 <213> ORGANISM: Mus musculus
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <223> OTHER INFORMATION: murine Dlg(discs large) gene
386 <400> SEQUENCE: 3
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389 atcgatcgaa actaagccaa actgaagaca gacaactcag aagttccata gagcggggtta      120
391 ttaacatatt tcagagcaac ctctttcagg ctttaataga tattcaagaa ttttatgaag      180
393 tgaccttact tgataatcca aaatgtgtgg atcattcaaa gcagtgtgaa ccagttcagc      240
395 ctgtgactac ttgggagatt gccagccttc caagcactgc cgtgacgtca gaaaccctgc      300
397 ccggcagcct tagccctcca gtagagaaat accggtatca ggatgaagag gtacttcctc      360
399 ctgagcatat ttctccacaa gtcacaaatg aggtgctagg tccagaactg gtccatgtct      420
401 cagagaagaa cctgtcagag attgagaatg tccatggatt tgtttctcat tctcatatct      480
403 caccaataaa gccacagaa gctgttcctc cctcctctcc cattgtccct gtgaccctcg      540
405 ccctgccagt ccctgctgag agtactgtcg tcctgccctc cgcaccacag gcaaatcctc      600
407 ctccagtgtc ggtcaacaca gacagcttag agacaccaac ttatgttaat ggcactgatg      660
409 cagattatga atatgaggaa atcacacttg aaaggggaaa ttcgggtctt gggttcagca      720
411 ttgcaggagg tacagacaac ccacacattg gagatgactc aagtattttc atcaccaaaa      780
413 ttatcacagg cggacgggct gcccaggatg gaagattgcg ggtaaatgac tgtgtactga      840
415 gagtaaatga agcagacgtt cgtgatgtaa cccacagcaa agcagtggag gcattaaaag      900
417 aagctggatc tattgtgcga ttgtatgtga aaaggcggaa gctagcatca gaaaaaatca      960
419 tggaaataaa gtcattaaa ggtcctaaag gtcttgggtt cagcattgct ggagggtattg     1020
421 gaaatcagca cattcctggt gataacagca tctatgtaac caaaataatt gaaggagggtg     1080
423 cagcacacaa ggatggcaag cttcagattg gagataagct tctagcagtg aacagtgtgt     1140
425 gtttagaaga agttactcat gaagaagcag tgactgcctt aaagaataca tctgattttg     1200
427 tttatttgaa agtggcaaaa ccaacaagta tgtatataaa tgatggctat gcaccacctg     1260
429 acatcactaa ttcttcttct caatctgttg acaaccatgt cagcccgtcc tctgtcttgg     1320
431 gccagacgcc aacgtcacca gccaggctact caccatttc taaagctgtg ctcgagatg     1380
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437 gacctgtga tctaagtgga gagctcagaa aaggagatcg catcatatcg gtgaacagtg     1560
439 ttgacctcag agctgcaagt cacgaacaag cagcagctgc actaaagaac gcaggccaag     1620
441 ccgtcaccat cgttgcgcaa tatcgacccg aagagtcacg tcgttttgaa gctaaaatcc     1680
443 atgacttacg ggagcagatg atgaatagca gagtcagttc agggtcaggg tctcctcgaa     1740
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447 gcgggcttcc cagtcaagga ctgaacttcc gctttggaga catcctccat gtcacaatg     1860
449 cttctgacga cgagtgggtg caagccaggc aggtcacccc agacggggag agtgacgaag     1920
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453 tcaaattcaa ttctaaaaca agaggagata aagggcagtc attcaatgac aagcgtaaaa     2040
455 agaacctctt ttcccgaaaa tttcccttct acaagaacaa ggaccagagt gaacaggaaa     2100
457 cgagtgatgc tgaccagcac gtaacttcta atgccagcga tagtgaaagt agttaccgtg     2160
459 gtcaagaaga atgtgtttta tcttatgagc cagtgaatca acaagaagtt aattataccc     2220
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/10/2006
PATENT APPLICATION: US/10/594,695 TIME: 15:06:58

Input Set : A:\Sequence Listing (diskette).txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/594,695

DATE: 10/10/2006

TIME: 15:06:58

Input Set : A:\Sequence Listing (diskette).txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number